ELSEVIER

Journal of Electroanalytical Chemistry 383 (1995) 203

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author index

Aggour, M. 67
Alber, K.S. 119
Aldaz, A. 145
Audebert, P. 139

Barsoukov, E. 155
Beden, B. 191
Belinskii, V.N. 85
Bos, M. 105
Bowmaker, G.A. 191

Compton, R.G. 13
Cuesta, A. 195
Cui, Q. 7

Doe, H. 53
Dong, S. 133
Dryfe, R.A.W. 13

Evans, D.H. 127

Fagan, P.J. 127
Feliu, J.M. 145
Fountain, K.R. 119

Giersig, M. 67
Gileadi, E. 167
Guo, X. 99
Gutiérrez, C. 195

Hahn, T.K. 119
Herrero, E. 145
Hirst, J. 13

Imaizumi, H. 99
Inaba, M. 91
Iwasita, T. 181

Jones, M.L. 119
Ju, J.-B. 161

Kaneko, M. 61
Katoh, K. 99
Kim, J.-D. 161
Kobayashi, T. 53
Kublanovskii, V.S. 85

Lerke, S.A. 127
Lewerenz, H.J. 67
Li, F. 133
Llorca, M.J. 145

Melendres, C.A. 191
Mostany, J. 37

Nagai, K. 61
Novák, M. 75

Ogumi, Z. 91
Onikubo, T. 61
Osa, Y. 91

Pagetti, J. 139
Pałys, M.J. 105
Pastor, E. 175, 181
Peter, L.M. 43
Popkirov, G.S. 155
Posadas, D. 21
Pyun, S.-I. 161

Roche, M. 139
Rodes, A. 181
Rodriguez Nieto, F.J. 21
Rosenblum, M. 167

Sawada, H. 53
Scharifker, B.R. 37
Schmidt, V.M. 175
Serruya, A. 37
Skompska, M. 43
Stojek, Z. 105
Szücs, Á. 75

Tang, Y. 31
Tian, H. 31
Tucceri, R.I. 21

Van der Linden, W.E. 105
Van Galen, D.A. 119
Vaskevich, A. 167

Wang, D. 31
Wang, E. 7
Wellington, R.G. 13
Wu, X. 1

Xu, L. 133

Yagi, M. 61
Yang, S. 31
Yang, T.-H. 161

Zhang, W. 1
Zhu, G. 7

ELSEVIER

Journal of Electroanalytical Chemistry 383 (1995) 205–207

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject index

Ac stripping voltammetry
Ac stripping voltammetry from mercury film electrodes. Part 2. Comparison of theoretical and experimental results (Rodriguez Nieto et al.) 21
Activated olefins
The electrocatalyzed reduction of fumaronitrile in aqueous solution by 4,4′-dimethyl-1,1′-trimethylene-2,2′-dipyridinium ion (Alber et al.) 119
Admittance model
Assessing nonlinearity in impedance models (Wu, Zhang) 1

Bare electrodes
Stable and reversible electrochemistry of cytochrome *c* on bare electrodes. Part 1. Effect of ionic strength (Szücs, Novák) 75
Buckminsterfullerene
Voltammetric study of the oxidation of metal derivatives of buckminsterfullerene (C_{60}) (Lerke et al.) 127

Capacitive currents
In-situ impedance measurements during oxidation and reduction of conducting polymers: significance of the capacitive currents (Popkirov, Barsoukov) 155
Carbonate ions
Vibrational spectroscopy of carbonate adsorbed on Pt(111) and Pt(110) single-crystal electrodes (Iwasita et al.) 181
Carbon steel
The behaviour of passive films on carbon steel in sulfuric acid solutions (Guo et al.) 99
Charge transfer
Charge transfer and molecular distribution of $Ru(bpy)_3^{2+}$ complex dispersed in a Nafion® membrane as studied by in-situ spectrocyclic voltammetry (Yagi et al.) 61
Chronopotentiometry
Digital simulation of chronopotentiometric and steady-state voltammetric curves at microelectrodes in the presence of a low concentration of supporting electrolyte (Pałys et al.) 105
CO
Confirmation by differential reflectance spectroscopy of the transition at 270 nm of CO chemisorbed on Pt in an acid medium (Cuesta, Gutiérrez) 195
Conducting polymers
In-situ impedance measurements during oxidation and reduction of conducting polymers: significance of the capacitive currents (Popkirov, Barsoukov) 155
Current response
Ac stripping voltammetry from mercury film electrodes. Part 2. Comparison of theoretical and experimental results (Rodriguez Nieto et al.) 21
Cytochrome *c*
Stable and reversible electrochemistry of cytochrome *c* on bare electrodes. Part 1. Effect of ionic strength (Szücs, Novák) 75

Differential capacitance
The application of the MPB4 theory to the interface between two immiscible electrolyte solutions. 2. The differential capacitance of the water | 1,2-dichloroethane interface (Cui et al.) 7
Differential electrochemical mass spectrometry
Electrochemical reactions of ethene on polycrystalline Au electrodes in acid solution studied by differential electrochemical mass spectrometry and isotope labelling (Pastor, Schmidt) 175
Digital simulation
Digital simulation of chronopotentiometric and steady-state voltammetric curves at microelectrodes in the presence of a low concentration of supporting electrolyte (Pałys et al.) 105
4,4′-Dimethyl-1,1′-trimethylene-2,2′-dipyridinium ion
The electrocatalyzed reduction of fumaronitrile in aqueous solution by 4,4′-dimethyl-1,1′-trimethylene-2,2′-dipyridinium ion (Alber et al.) 119

Electroadsorption
Vibrational spectroscopy of carbonate adsorbed on Pt(111) and Pt(110) single-crystal electrodes (Iwasita et al.) 181
Electrocatalysis
The electrocatalyzed reduction of fumaronitrile in aqueous solution by 4,4′-dimethyl-1,1′-trimethylene-2,2′-dipyridinium ion (Alber et al.) 119
Electrochemical behavior
Raman spectroscopic analysis of electrochemical behavior of propylviologen in Nafion® (Inaba et al.) 91
Electrochemical impedance spectroscopy
In-situ impedance measurements during oxidation and reduction of conducting polymers: significance of the capacitive currents (Popkirov, Barsoukov) 155
Electrochemical response
Stable and reversible electrochemistry of cytochrome *c* on bare electrodes. Part 1. Effect of ionic strength (Szücs, Novák) 75
Electrodeposition
Spatial distribution of electrodeposited lead nuclei on to vitreous carbon beyond their nearest neighbours (Mostany et al.) 37
Electrodeposition and electrochemical properties of poly(*N*-vinylcarbazole) films on platinum electrodes (Skompska, Peter) 43
Mechanism of zinc electrodeposition from iminodiacetate electrolyte (Kublanovskii, Belinskii) 85
Underpotential–overpotential transition of silver overlayer on platinum. Part 1. Formation of a Pt + Ag surface alloy (Vaskevich et al.) 167
Electron transfer promoters
Stable and reversible electrochemistry of cytochrome *c* on bare electrodes. Part 1. Effect of ionic strength (Szücs, Novák) 75
Electro-oxidation
Voltammetric study of the oxidation of metal derivatives of buckminsterfullerene (C_{60}) (Lerke et al.) 127
Electrochemical properties of some benzoxazines: conditions for electropolymerization in alkaline medium (Audebert et al.) 139
Ethene
Electrochemical reactions of ethene on polycrystalline Au elec-

trodes in acid solution studied by differential electrochemical mass spectrometry and isotope labelling (Pastor, Schmidt) 175

Far infrared spectroscopy
Far infrared spectroscopy of a platinum electrode "in-situ" using a synchrotron source (Melendres et al.) 191
Formic acid
Oxidation of formic acid on Pt(100) electrodes modified by irreversibly adsorbed tellurium (Herrero et al.) 145
Frozen solvents
Characterization of ice electrodes (Doe et al.) 53
Fumaronitrile
The electrocatalyzed reduction of fumaronitrile in aqueous solution by 4,4′-dimethyl-1,1′-trimethylene-2,2′-dipyridinium ion (Alber et al.) 119

Ice electrodes
Characterization of ice electrodes (Doe et al.) 53
Iminodiacetate
Mechanism of zinc electrodeposition from iminodiacetate electrolyte (Kublanovskii, Belinskii) 85
Impedance diagrams
The behaviour of passive films on carbon steel in sulfuric acid solutions (Guo et al.) 99
Impedance model
Assessing nonlinearity in impedance models (Wu, Zhang) 1
Ionic strength
Stable and reversible electrochemistry of cytochrome *c* on bare electrodes. Part 1. Effect of ionic strength (Szücs, Novák) 75
Ion transfer
Characterization of ice electrodes (Doe et al.) 53
IR spectra
Vibrational spectroscopy of carbonate adsorbed on Pt(111) and Pt(110) single-crystal electrodes (Iwasita et al.) 181
Isotope labelling
Electrochemical reactions of ethene on polycrystalline Au electrodes in acid solution studied by differential electrochemical mass spectrometry and isotope labelling (Pastor, Schmidt) 175
ITIES
The application of the MPB4 theory to the interface between two immiscible electrolyte solutions. 2. The differential capacitance of the water | 1,2-dichloroethane interface (Cui et al.) 7
Characterization of ice electrodes (Doe et al.) 53

Liquid interface
The application of the MPB4 theory to the interface between two immiscible electrolyte solutions. 2. The differential capacitance of the water | 1,2-dichloroethane interface (Cui et al.) 7
Liquid | liquid interface
Assessing nonlinearity in impedance models (Wu, Zhang) 1
Low ionic strength
Digital simulation of chronopotentiometric and steady-state voltammetric curves at microelectrodes in the presence of a low concentration of supporting electrolyte (Pałys et al.) 105

Mathematical model
In-situ impedance measurements during oxidation and reduction of conducting polymers: significance of the capacitive currents (Popkirov, Barsoukov) 155
Mathematical models
The application of the MPB4 theory to the interface between two immiscible electrolyte solutions. 2. The differential capacitance of the water | 1,2-dichloroethane interface (Cui et al.) 7
Modelling electrode reactions using the strongly implicit procedure (Compton et al.) 13
Membrane-modified electrodes
Charge transfer and molecular distribution of $Ru(bpy)_3^{2+}$ complex dispersed in a Nafion® membrane as studied by in-situ spectrocyclic voltammetry (Yagi et al.) 61
Mercury film electrodes
Ac stripping voltammetry from mercury film electrodes. Part 2. Comparison of theoretical and experimental results (Rodriguez Nieto et al.) 21
Microparticle dispersion
Electro-oxidation of a chloride complex of Platinum(II) at a glassy carbon electrode (Xu et al.) 133
Migration
Digital simulation of chronopotentiometric and steady-state voltammetric curves at microelectrodes in the presence of a low concentration of supporting electrolyte (Pałys et al.) 105
Modified electrodes
Raman spectroscopic analysis of electrochemical behavior of propylviologen in Nafion® (Inaba et al.) 91
Molecular distribution
Charge transfer and molecular distribution of $Ru(bpy)_3^{2+}$ complex dispersed in a Nafion® membrane as studied by in-situ spectrocyclic voltammetry (Yagi et al.) 61
Charge transfer and molecular distribution of $Ru(bpy)_3^{2+}$ complex dispersed in a Nafion® membrane as studied by in-situ spectrocyclic voltammetry (Yagi et al.) 61
Molecular modelling
The electrocatalyzed reduction of fumaronitrile in aqueous solution by 4,4′-dimethyl-1,1′-trimethylene-2,2′-dipyridinium ion (Alber et al.) 119

Nafion
Raman spectroscopic analysis of electrochemical behavior of propylviologen in Nafion® (Inaba et al.) 91
NH_4F
Interface condition of n-Si(111) during photocurrent oscillations in NH_4F solutions (Aggour et al.) 67
Nonlinear behavior
Assessing nonlinearity in impedance models (Wu, Zhang) 1
Organometallic compounds
Voltammetric study of the oxidation of metal derivatives of buckminsterfullerene (C_{60}) (Lerke et al.) 127
Oxidation
In-situ impedance measurements during oxidation and reduction of conducting polymers: significance of the capacitive currents (Popkirov, Barsoukov) 155
Oxygen reduction
A study of the mechanism of oxygen reduction on bare palladium in 0.1 M LiOD solution using Pt ring–Pd disk electrode (Kim et al.) 161

Palladium
A study of the mechanism of oxygen reduction on bare palladium in 0.1 M LiOD solution using Pt ring–Pd disk electrode (Kim et al.) 161
Passive films
The behaviour of passive films on carbon steel in sulfuric acid solutions (Guo et al.) 99
Photocurrent oscillations
Interface condition of n-Si(111) during photocurrent oscillations in NH_4F solutions (Aggour et al.) 67
Platinum
Underpotential–overpotential transition of silver overlayer on platinum. Part 1. Formation of a Pt + Ag surface alloy (Vaskevich et al.) 167
Polymer
Electrochemical properties of some benzoxazines: conditions for electropolymerization in alkaline medium (Audebert et al.) 139

Propylviologen
Raman spectroscopic analysis of electrochemical behavior of propylviologen in Nafion® (Inaba et al.) 91
Pt
Confirmation by differential reflectance spectroscopy of the transition at 270 nm of CO chemisorbed on Pt in an acid medium (Cuesta, Gutiérrez) 195
Pt electrodes
Electrodeposition and electrochemical properties of poly(*N*-vinylcarbazole) films on platinum electrodes (Skompska, Peter) 43
Oxidation of formic acid on Pt(100) electrodes modified by irreversibly adsorbed tellurium (Herrero et al.) 145
Pt(II) chloride complex
Electro-oxidation of a chloride complex of Platinum(II) at a glassy carbon electrode (Xu et al.) 133
Pt single crystals
Vibrational spectroscopy of carbonate adsorbed on Pt(111) and Pt(110) single-crystal electrodes (Iwasita et al.) 181

Raman spectroscopy
Raman spectroscopic analysis of electrochemical behavior of propylviologen in Nafion® (Inaba et al.) 91
Randles circuit
Assessing nonlinearity in impedance models (Wu, Zhang) 1
Reduction
In-situ impedance measurements during oxidation and reduction of conducting polymers: significance of the capacitive currents (Popkirov, Barsoukov) 155
Reflectance spectroscopy
Confirmation by differential reflectance spectroscopy of the transition at 270 nm of CO chemisorbed on Pt in an acid medium (Cuesta, Gutiérrez) 195
Rotating electrodes
Electrodeposition and electrochemical properties of poly(*N*-vinylcarbazole) films on platinum electrodes (Skompska, Peter) 43
$Ru(bpy)_3^{2+}$ complex
Charge transfer and molecular distribution of $Ru(bpy)_3^{2+}$ complex dispersed in a Nafion® membrane as studied by in-situ spectrocyclic voltammetry (Yagi et al.) 61
n-Si(111)
Interface condition of n-Si(111) during photocurrent oscillations in NH_4F solutions (Aggour et al.) 67
Silver
Underpotential–overpotential transition of silver overlayer on platinum. Part 1. Formation of a Pt + Ag surface alloy (Vaskevich et al.) 167
Spectrocyclic voltammetry
Charge transfer and molecular distribution of $Ru(bpy)_3^{2+}$ complex dispersed in a Nafion® membrane as studied by in-situ spectrocyclic voltammetry (Yagi et al.) 61
Steady-state voltammetry
Digital simulation of chronopotentiometric and steady-state voltammetric curves at microelectrodes in the presence of a low concentration of supporting electrolyte (Pałys et al.) 105
Surface alloy formation
Underpotential–overpotential transition of silver overlayer on platinum. Part 1. Formation of a Pt + Ag surface alloy (Vaskevich et al.) 167
Synchrotron source
Far infrared spectroscopy of a platinum electrode "in-situ" using a synchrotron source (Melendres et al.) 191

Tellurium
Oxidation of formic acid on Pt(100) electrodes modified by irreversibly adsorbed tellurium (Herrero et al.) 145
Tin assay
The determination of trace tin by cathodic stripping voltammetry with a Nafion®-modified electrode (Yang et al.) 31
Trace analysis
The determination of trace tin by cathodic stripping voltammetry with a Nafion®-modified electrode (Yang et al.) 31

Underpotential–overpotential transition
Underpotential–overpotential transition of silver overlayer on platinum. Part 1. Formation of a Pt + Ag surface alloy (Vaskevich et al.) 167

Zinc
Mechanism of zinc electrodeposition from iminodiacetate electrolyte (Kublanovskii, Belinskii) 85